



COURSE FOR SUSTAINABILITY

STRATEGIES, METHODOLOGIES, POLICIES AND ACTIONS FOR CENTRAL AND EASTERN EUROPE

Session 4

Water

July 11-24, 2004

Location: Venice International University, San Servolo Island, Italy

Course Agenda

Theme: Problems & Economics of Water Resources

Lecture: Water demand for Drinking Water on a Global Scale (Andrea Merla, Global Environment Facility)

Lecture: Economics of Water (Antonio Massarutto, University of Udine)

Theme: Water Quality

Lecture: Issues in Water Pollution (Edward Bellinger, Central European University)

Lecture: Pollution Issues and Eutrophication in Coastal Aquatic Systems (Lucia Bongiorno, Università Politecnica delle Marche)

Themes: Water & Energy - Case Study (Site Visit): Power Station

Site Visit to the Piave River and its Basin; the Vajont Dam and the ENEL Power Station

Site Visit at the Vajont Dam

Theme: Water Management and Regulations

Lecture: General Aspects of Wastewater Treatment (Edward Bellinger, Central European University)

Lecture: Overview of the Water Framework Directive (Edward Bellinger, Central European University)

Lecture: Management of Transboundary Lakes and Rivers: Comparative Cases from East and West Europe (Edward Bellinger, Central European University)

Theme: The Venice Lagoon

Lecture: presentation of Consorzio Venezia Nuova projects on the Safeguard of the Venice Lagoon (Francesca de Pol, Consorzio Venezia Nuova)

Site visit: to the Venice Lagoon

Site visit: of S. Erasmo Island

Theme: Water Management in Italy

Lecture: Water Policy in Italy (Gilberto Muraro, University of Padua)

Lecture: Water Quality Control (Andrea Barbanti, Thetis S.p.A.)

Lecture: Ground Water Vulnerability to Contamination: Assessment and Mapping Methodologies in Italy (Massimo Civita, Polytechnic University of Turin)

Theme: Water and Agriculture

Lecture: Water Conservation (Stefano Ferraris, University of Turin)

Lecture: Water and Agriculture (Marco Acutis, University of Milan)

Lecture: Integrated Water Resources Management in Agriculture: Irrigation Planning (Carlo Giupponi, University of Milan)

Theme: Water Integrated Management - Case Study 1 (site visit): Water Management Plant and Potabilization Process

Site Visit to the Integrated Water Management Plant in Treviso

Site Visit to VESTA S.p.A. Wells Field in Quinto di Treviso

Site Visit at the Potabilization Plant in Ca' Solaro (Venice)

Theme: Water Integrated Management - Case Study 2;

Lecture: Case Studies on Water Policies in Central Europe (Janos Zlinszky, Regional Environmental Center for Central and Eastern Europe)

Lecture: Water Monitoring Network in the Veneto Region (Angelo Ferronato, ARPAV).

Lecture: Integrated Watershed Management (Francesco Baruffi, River Authority of the North Adriatic Sea- Autorità di Bacino dell'Alto Adriatico)

Theme: Tourism and Nature Protection - Conclusion

Lecture: Water, Tourism and Nature Protection (Janos Zlinszky, Regional Environmental Center for Central and Eastern Europe)

Panel Discussion: Ignazio Musu, Janos Zlinszky, Gian Maria Zuppi, Alessandro Costa